WATER CONSERVATION PLAN

Clear Springs of New Hampshire
Pittsburg, New Hampshire

New Bottled Spring Water Source
and Loadout Facility

Perry Stream Land & Timber Company, Inc.
Pittsburg, NH

Prepared by:

ENSR Corporation
Belmont, NH
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INTRODUCTION

On behalf of Perry Stream Land & Timber Company, Inc. (PSLT), ENSR Corporation (ENSR) presents this Water Conservation Plan for PSLT's Clear Springs of New Hampshire (Clear Springs) new bottled spring water source and loadout facility in Pittsburg, New Hampshire. The new facility will consist of a spring water production borehole, a storage tank, and a bulk water loadout facility located at Moose Pond Spring in Pittsburg.

This Water Conservation Plan has been prepared in accordance with New Hampshire Department of Environmental Services (NHDES) rule Env-Ws 390, "Water Conservation Rules". ENSR is also preparing and submitting to NHDES a Preliminary Report/Application for a Large Groundwater Withdrawal Permit for the proposed production borehole under Env-Ws 388 and a new bottled water source permit under Env-Ws 389.

DESCRIPTION OF WATER USE AND BEST MANAGEMENT PRACTICES

PSLT has constructed a gravel-packed production borehole at the Clear Springs site in Pittsburg (Figure 1). The production borehole is located adjacent to the most promising of several test wells installed near the springs that occur west of Moose Pond. The spring-water production borehole is a 16-by-12-inch, gravel-packed production borehole with wire-wrapped stainless steel screen installed from 54 to 64 feet. PSLT is seeking a permitted withdrawal rate of 216,000 gallons per day (gpd) for the borehole, which will be the only source of water.

PSLT also plans to install 30,000 gallons of storage and a loadout facility at which tankers can pick up bulk water. Bottling will not occur on site.

Under Env-Ws 390, "Water Conservation Rules", the PSLT project is considered an "Industrial, Commercial, and Institutional Water Use", and must follow the requirements of Env-Ws 390.08. Since spring water is the only product for the planned facility and is at the core of PSLT's business plan, there will be a strong financial and stewardship incentive to conserve the water. There are no existing water uses for Clear Springs. As required by Env-Ws 390.08(a), here are the locations and amounts of water used for:

- Heating – **none**
- Cooling – **none**
- Processing – **none**
- Product ingredient – **up to 360,000 gpd of bulk water will be produced for transport off site (for bottling elsewhere); water will be withdrawn from the production borehole and either stored or loaded into tankers at the loadout facility (Figure 1)**
- Sanitary use – **none**
- Outdoor water use – **none**

The following Best Management Practices and Water Conservation Measures will be undertaken immediately upon startup of operations and continuing whenever water operations are occurring.

- **Source water meter** – A calibrated water meter will be installed at the production borehole. A recording water meter will be used, or the total gallons withdrawn from the production borehole will be recorded on a daily basis. *(better to choose one)*
- **Load out water meter** – A calibrated water meter will be installed at the load out facility in order to measure the amount of water loaded onto tanker trucks. On at least a *(weekly)* basis, the meter records will be compared to the records for the production borehole.
- **Leak detection** – If regular water meter comparison reveals a discrepancy between water pumped from the borehole and water loaded onto tankers and this discrepancy represents "unaccounted-for water" (Env-Ws 390.03(o)), a leak detection survey will be undertaken along the pipeline between the borehole, storage tank, and loadout station in order to find any leaks. The leaks will be repaired as soon as possible.
- **Overfill preventers** – Valves and hoses used to fill tank trucks with water will be equipped with automatic shutoffs to prevent overfilling and spills of water during tank truck loading.

As required by Env-Ws 390.08(b)(2), the water meters will be maintained in accordance with "Manual of Water Supply Practices, Water Meters - Selection, Installation, Testing, and Maintenance," document identification number AWWA M6, American Water Works Association, 1999.

PSLT is not planning to use water from the production borehole for lawn watering, landscaping, or domestic (kitchen or bathroom) use. If an employee office or other building is built in the future, this will be serviced by water from another source.

PUBLIC NOTIFICATION AND INVOLVEMENT

Per Env-Ws 390.11, PSLT is providing copies of this Water Conservation Plan to:

- Town of Pittsburg, Board of Selectmen
  1520 Main Street
  Pittsburg, NH 03592

- North Country Council
  107 Glessner Road
  Bethlehem, NH 03574

Along with the Water Conservation Plan, the mailings will include a summary of the requirements of Env-Ws 390 and a cover letter. The cover letter will request that the Town of Pittsburg and the regional planning agency amend site planning requirements to reflect the requirements of Env-Ws 390 when applicable and promote water conservation landscaping for new projects per Env-Ws 390.11(c).

ON-GOING COMPLIANCE WITH WATER CONSERVATION RULES

Per Env-Ws 390.13, PSLT will document ongoing water conservation efforts and compliance with water conservation rules by submitting required forms to NHDES every three years.